

Figure 1

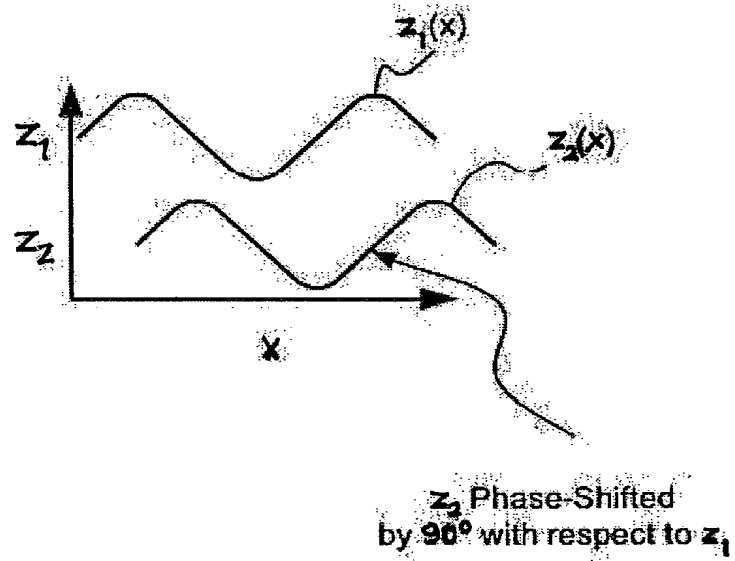


Figure 2

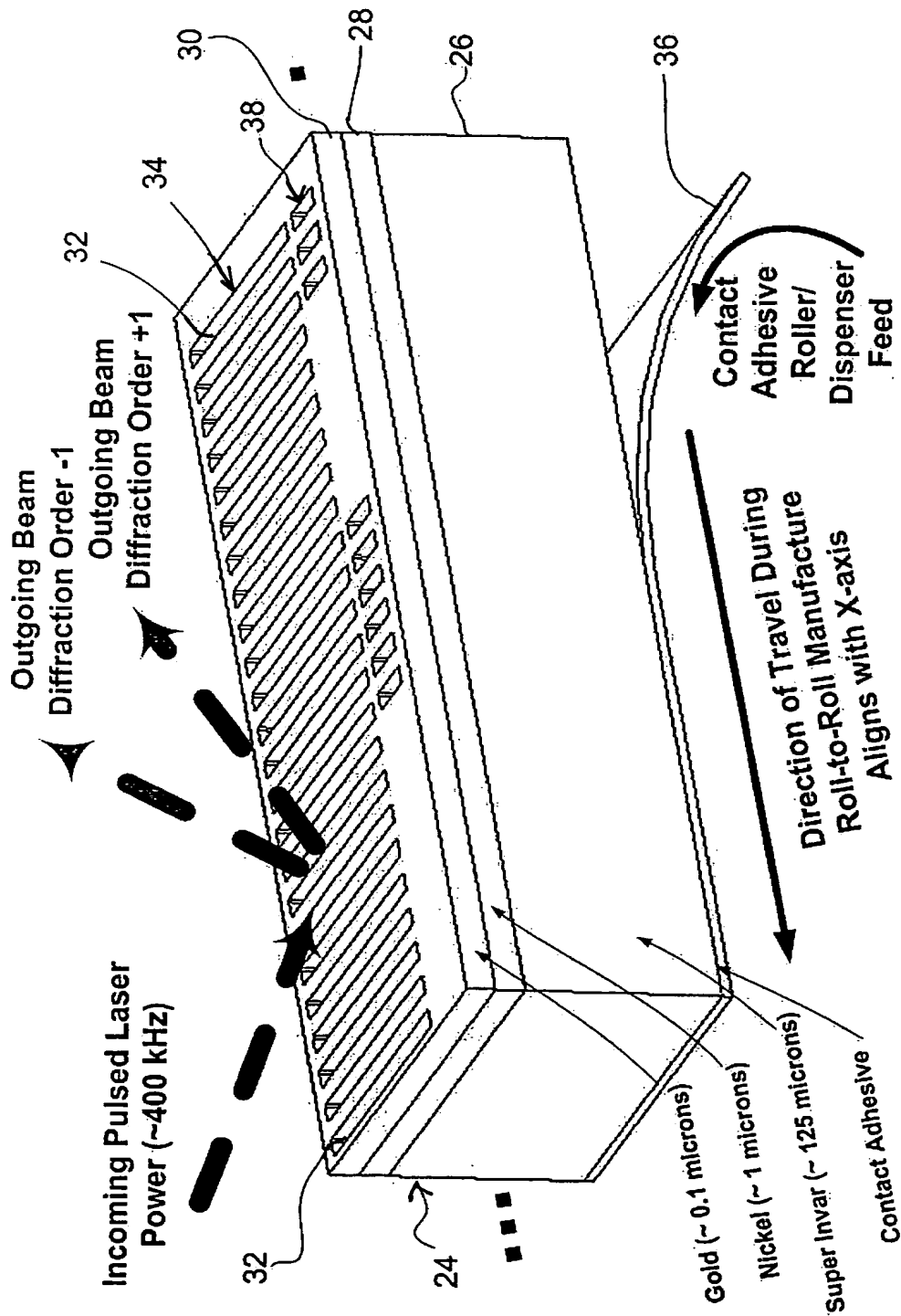


Figure 3

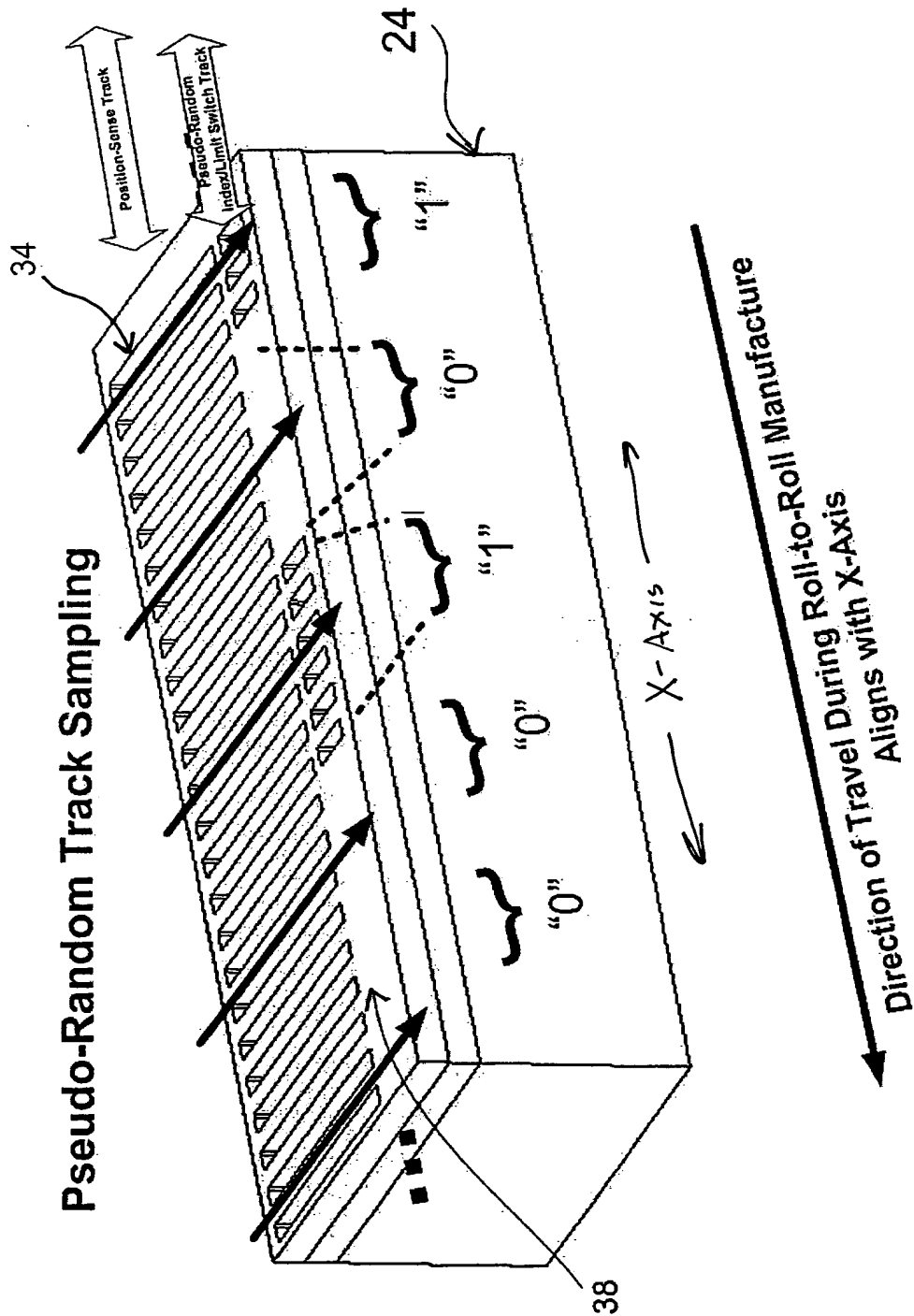


Figure 4

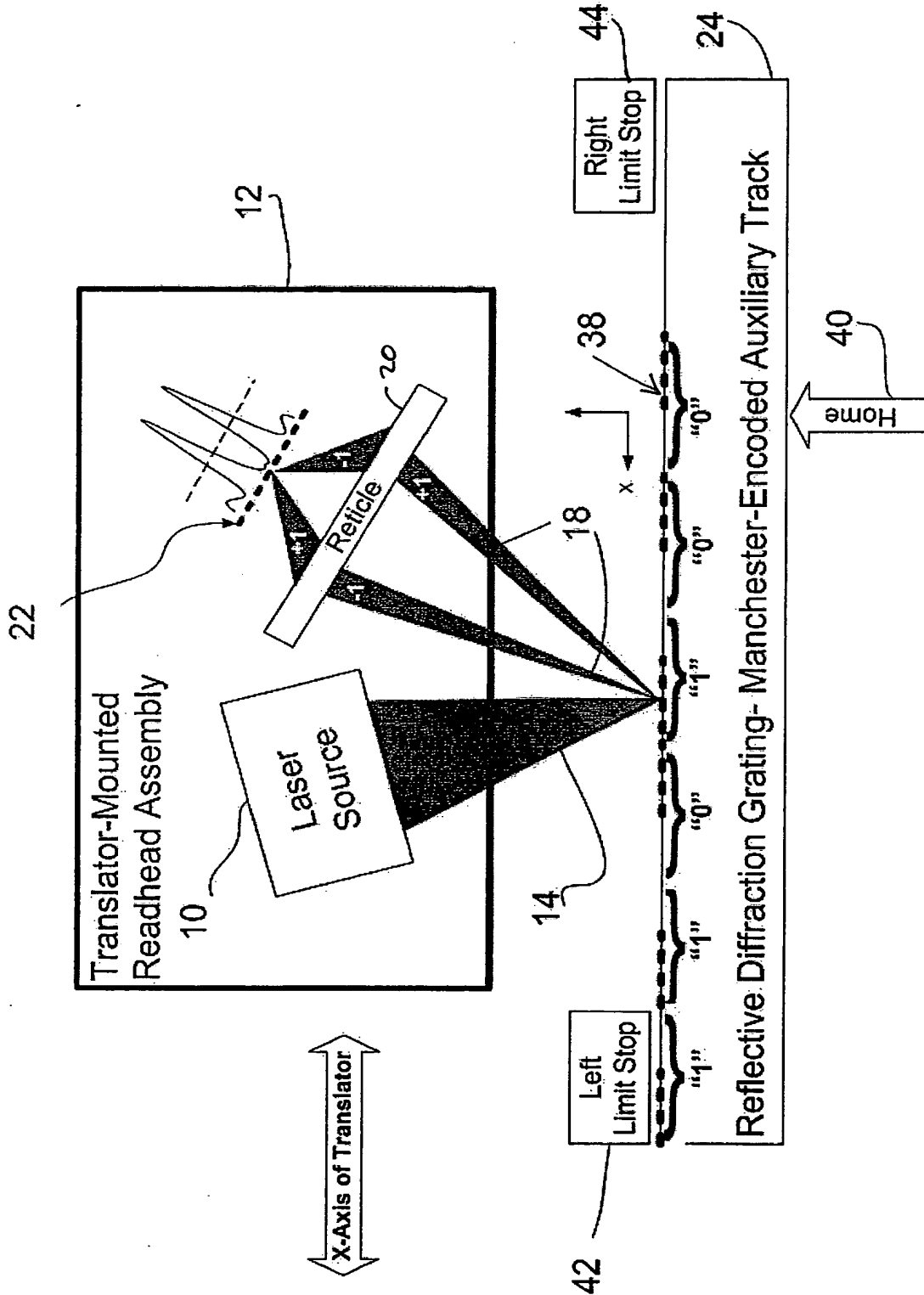


Figure 5

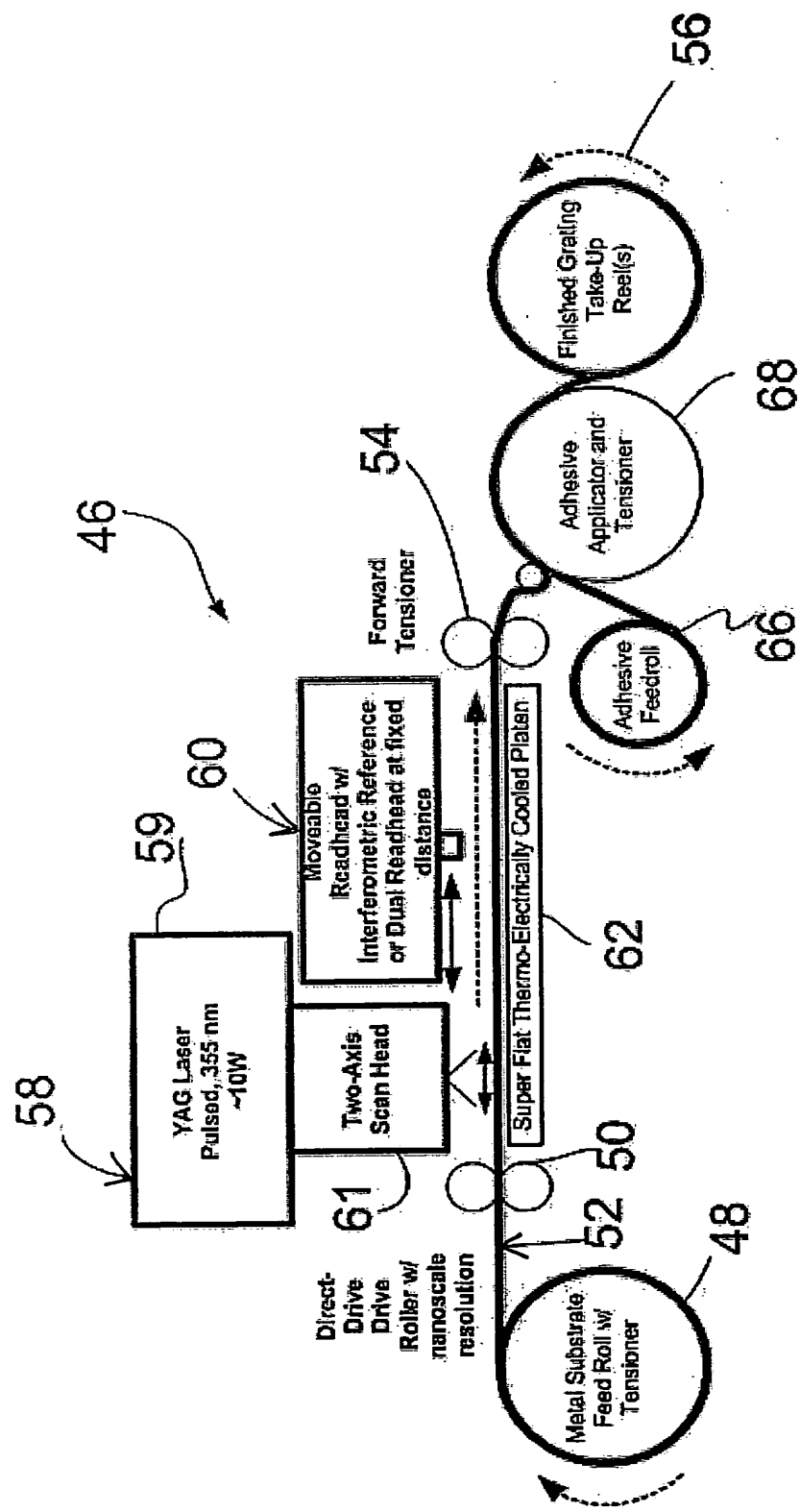


Figure 6

Comparison of Laser Power (Exponential Discharge ($\tau=1$ ns) vs. Square Wave (7 ns) with equivalent Pulse Energy)

Front End Power Amplification ($\sim 7:1$)
 achieves equivalent pulse energy as Square Wave
 (Accelerates breaking of atomic bonds within
 top two layers of grating)

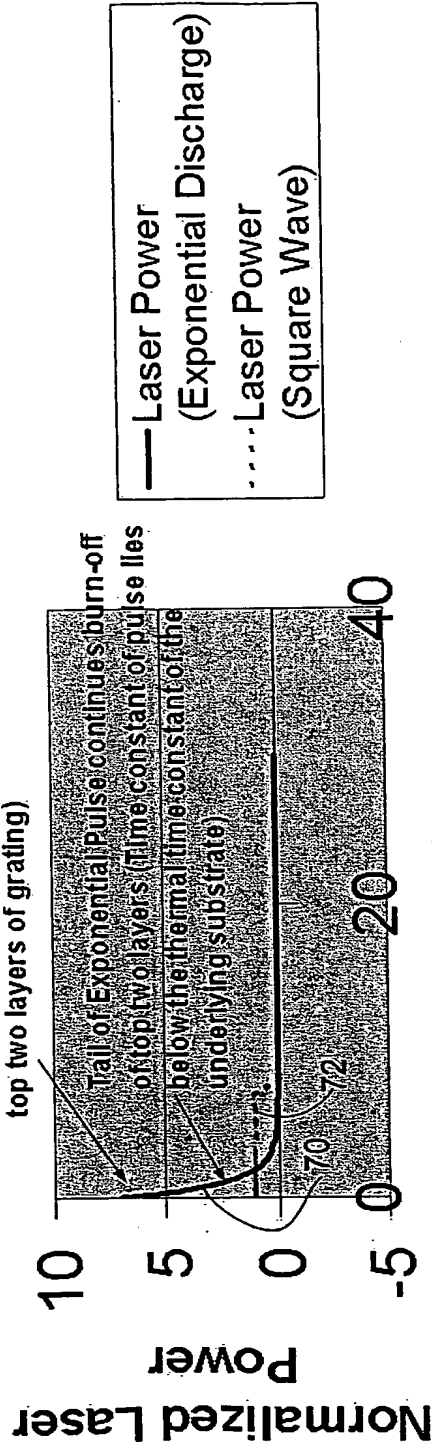
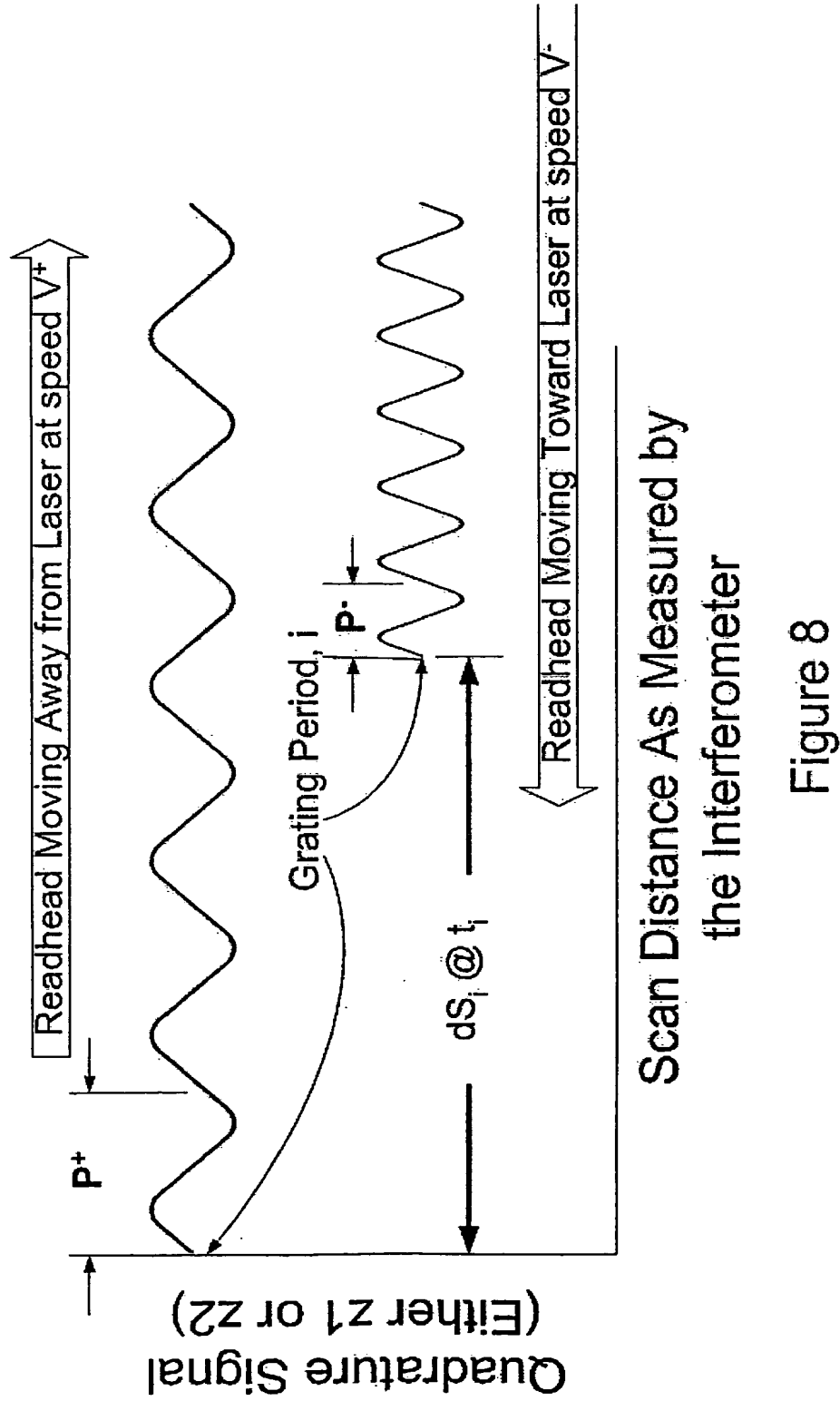


Figure 7



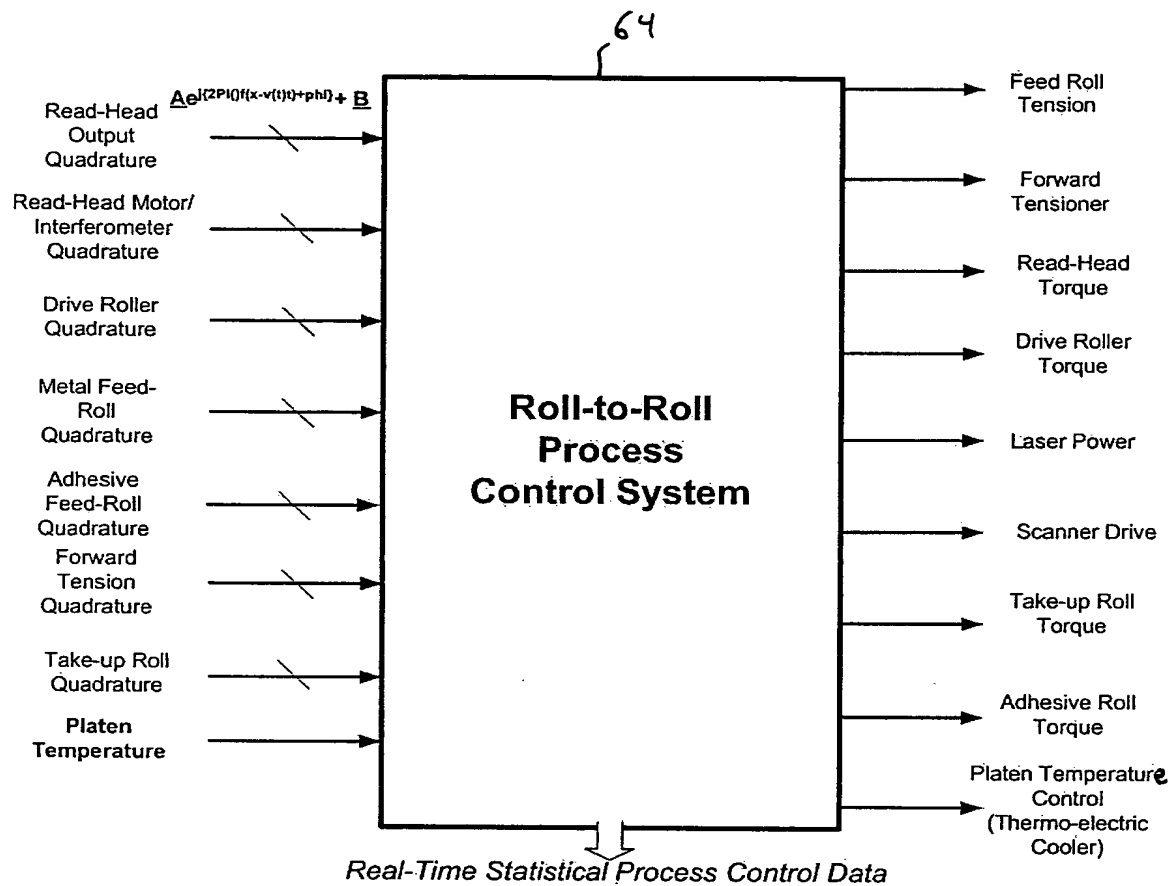


Figure 9